

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [8804] 102ft dipole on 75m

A lot of us use 102 ft dipoles on 75m fed with 450 ohm ladder-line. Here's an optimized 75m matching technique based on an EZNEC model of that dipole horizontal on two 40 ft poles.

EZNEC sez approximately 400pf of capacitance installed in parallel with the 450 ohm line at approximately 31.2 ft from the antenna will stop the reflections at that point on 3.8 MHz, yielding a flat resistive impedance of 450 ohms from that Z0-match all the way back to the balun located at the tuner. Stopping the reflections at that point will save some power since the 20:1 SWR predicted by EZNEC is confined to the 31.2 ft section. In effect, the single parallel capacitor becomes a remote antenna tuner and the T-match tuner in the hamshack has only to match 450 ohms resistive at resonance plus relatively small reactances slightly off-resonance, an easy, efficient match. And the best thing is that all unknown losses have been eliminated since there are no unknowns left in the entire system.

The 400 pf capacitor works for 75m and other bands would need different caps at different locations, but it can be done for any HF band between 26ft and 38ft from the antenna (except for 30m which needs a cap around 19ft from the antenna). Remote switching can be accomplished for all 8 bands from the hamshack through the use of 8 dpst relays mounted on a center support pole.

73, Cecil, W6RCA, OOTC

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: wager@juno.com (James W. Cates)
Subject: [8765] 38S kits a'mailing
Message-ID: <19970113.225206.3886.8.wager@juno.com>

The first hundred kits are in the mail. More or less in the order in which received, i.e., first in, first out. There are some exceptions, like a couple for magazine reviews, one to the Outback in Western Australia, which takes, even air mail, almost a month to get there.

And, please forgive me this: My good friend Mac, W7JDZ, said "let me put your kit together; you'll never have time." Now, I was torn between pride and good sense, but remembering that he had made the same offer with my Sierra kit, which he put together with the five band modules, I..... I blush to confess this, I sent him my kit, along with his. Not because I took him up on his offer do I stand on one foot and then the

other; worse than that, I had forgotten to record a kit for myself, and when I finally snapped to the oversight, my order number was in the three hundred's. Selfish, to move my number up, I know, but hey, I am just as eager as the next, and apparently not as moral as I thought I was. hi hi

And, thank you for your perceived but never expressed "impatience," yes, suppressed impatience behind that exterior of forbearance, tolerance, and understanding; the eagerness to get the kit, put it together and get it on the air. That indicates to me that NorCal stuff meets with your approval. We appreciate that!

I ramble, when I should be stuffing mailers. I hope to get all this run mailed in seven days. That is my goal, but I do have to more or less make the bed, do some cooking, laundry, fold clothes, etc. Heck, housekeeping and the leaky faucet can wait. hi hi

Thanks to everyone for hanging in, and for your kind words, and for your encouragement. All of us involved in the project appreciate it.

jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Kirby, John" <John_Kirby@ATK.COM>
Subject: [8778] 5 Watt RTTY Really Works
Message-ID: <c=US%a=_%p=ATK%1=ATK/MPLS/0004D3ED@Exchange_MN1.ATK.COM>

Gang,

Just want to share this with some non-believers...

Last night, while getting my station ready for the NW QRP DIGITAL "TEST" (to be held on 1, 2 Feb 97 re: Bill Todd <bill@techline.com>) imagine my excitement when an HK4 (Columbia) came back as my first DX RTTY contact! His QRO comment after I advised ...QRP at five watts... "wow U must hv one FB antenna!".... my ant is a G5RV with an MFJ tuner at about 25 feet...

Then imagine the non-believers when I checked into the 80 meter NORTHWEST TRAFFIC NET.... as QNI-NO/QRU-QRP ...my reports ranged from "JUST S9" to "10 OVER"....while there reports were running 20 to 40 OVER S9....

Needless to say I had FUN last night!!!

Hope to see some of you on the NW QRP DIGITAL "TEST"...

72,3 John
N3AAZ

ps: the KH4 was a 20 meter contact....

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "GREG " <KB2QQM@msn.com>
Subject: [8800] ??? YAESU FT-840/QRP
Message-ID: <UPMAIL05.199701141824330028@msn.com>

HELLO, name here is Greg KB2QQM. i remember someone talking about turning the pwr down in the ft-840 and was wondering how you did it. with the rf pwr control on the the front panel, i can only get the pwr down to about 4.5 watts. I am interested in under 1 watt. Can anyone help?
thanks in advance, Greg "72"

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: [8801] A friendly(!) reminder to Foxes from a Hunter
Message-ID: <Pine.SUN.3.91.970114120914.1199A-100000@ncrsun1>

Hi, QRP-L Foxes,

Thank you Foxes for putting the time into being a target for us Hunters. I am having a blast, although it's been dry for me the last three weeks due to QRN and propogation.

But, please realize:
As a hunter, I use the schedule published by Chuck last fall.
Also, I am a digest reader of QRP-L, so don't get mail until the next day.

If your schedule has indeed changed (or your call for that matter) compared to what was published, please announce that. Better yet, announce earlier than the day before, as I otherwise will miss the announcement in the digest. Just a friendly request. I realize that some changes are inevitably last minute.

Thank you! Cheers/73. Kevin, KB9IUA, Rock Island IL, QRP-L
home: kb9iua@juno.com

Kevin L. Anderson Ph.D., CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Division-Waterway Systems

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e-mail: anderson@ncrsun1.ncr.usace.army.mil

* * * * *

Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Jim Hydzyk <congress@magpage.com>
Subject: [8821] All States Lined up for FSFD
Message-ID: <199701142023.PAA05861@alaska.magpage.com>

We do have takers for all of the States. Thanks to all who jumped in.

Don't forget the MI-QRP Contest this weekend. Lots of states to be had
there, and Joel, WA5CVM will activate MAINE after the contest on
Sunday night.

Current schedule is available on: <http://www.dancris.com/~ki7mn>

Next schedule will go out as soon as KC40's info arrives.

CUL, Jim K3QIO Delaware

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Laura" <sputnik@imt.net>
Subject: [8819] AOL
Message-ID: <199701142112.0AA16026@cu.imt.net>

Re: The fleecing of internet users by AOL

I was reluctant to give my opinion, because this isn't strictly a QRP issue
and I didn't want to get flamed. But I think enough interest has been
generated that I feel comfortable responding.

AOL has ALWAYS had these same problems. Their ads are misleading and their
service STINKS. Their 800 number is practically inaccessible and they
charge too much for nothing! Word of mouth is the only TRUE advertising we
get so I advise anyone thinking of an AOL account to read what these people
are griping about. It's not just bad service.... AOL is stealing from us.
Anyone who promises you FREE time but makes you tell them your credit card

number is full of *&(#! They are very capable of "monitoring" your use and requesting a card number when your free time is finished. But NO! That would be too practical and not near as easy to "mistakenly" charge you for services you never intended to get.

As for credit cards...each bank handles it differently. I learned that the hard way, too. Call each bank you have a card with and ask them what their procedure is in such a case. Cancel any card that favors the company over their own customer.

For those of you who use and enjoy AOL, I am glad you have not yet been abused by the company. I'm sure many people use it everyday and have good success...but if a problem should arise, what will happen to you then? Good luck to all!

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Laura" <sputnik@imt.net>
Subject: [8826] aol
Message-ID: <199701142143.0AA17787@cu.imt.net>

Wayne WB7WHI wrote (in part):

>They are having some problems
> with overload at the moment but they are adding new and more >equipment
to solve the problem. >

That's what they told me back in September of 1992!!
73 de KJ7UN, Laura

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Owen Quarles <k1oj@swbell.net>
Subject: [8751] ARCI CONTEST SCORES
Message-ID: <32DAD00D.71D2@swbell.net>

Howdy from Texas!

Well either I am lost or I missed something:-(What happened to the last ARCI contest scores? I checked the usual places such as the ARCI home page and the other qrp pages but can not find the results posted anywhere. Thanks for your help.

Signed, Dazed and Confused.

CU---0J---K10J

QRP-L 732

HOUSTON, TX.

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: kd1jv@juno.com (Steven Weber)

Subject: [8807] Bruce, AA0ED

Message-ID: <19970114.150320.4847.3.KD1JV@juno.com>

Bruce, sent a reply to you, got bounced. Am trying again. Your an unknown user!

73, Steve KD1JV

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: ji3m@maxwell.com (James R. Duffey)

Subject: [8791] Copying signals with poor sig/noise levels

Message-ID: <v02130505af01729d25da@[192.31.66.229]>

I am just now going through my e-mail which has accumulated during my travels and forced excile at home due to 2 large snow storms; one of 2 feet and one of a foot. (Only got 2 inches last night) I noticed a thread about copying weak signals in Friday's digest. I hope that these comments are timely and not duplicates. Here is what I do;

1. Use headphones, preferably those that cover the ear and eliminate any contribution from room noise. Headphones are worth 3 to 6 dB improvement in signal to noise ratio over a speaker. No kidding.

2. Turn off the AGC. Turn off the AGC. Turn off the AGC. At low signal levels, if it is working at all, it is just raising the noise level. This is why your AM radio gets noisy when you drive under a bridge. The signal fades due to shileding by the bridge, so the AGC tries to recover the lsot signal by increasing the gain, and eventually it is working on nothing but noise. As a result you have overpowering noise.

3. Use the narrowest filter you have available. Filters in the IF are best, audio filters also help. A filter between the IF and the product detector

will help reduce noise introduced by IF amplifiers. There will be less noise in a narrower bandwidth. The noise power goes as the square root of the bandwidth. A 250 Hz CW filter will have 1/3.2 times the noise of a 2.5 kHz SSB filter. You can hear the difference. The brain does some noise filtering, however, and the gain may be less for trained operators.

3. Reduce the RF gain until the signal is just perceptible. Crank up the AF gain to improve volume level. This too decreases the noise level somewhat relative to the signal level. Do this with the AGC off.

4. Practice copying weak signal levels. It is a learned skill and takes practice.

Most people can get good copy on CW at a signal to noise ratio of 0dB. Those with good skills can copy CW at signal to noise ratios of -10dB. By contrast, SSB needs 10 dB or so signal to noise to get good copy.

Did I mention turning off the AGC? - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [8775] dan's nw8040
Message-ID: <01IE7209059K8WX2BS@tntech.edu>

OK,

just got an email about the Dan's kit. I remember hearing something about it.. are you suppose to mount some or all the parts on the foil side of the board for the AF filter?

guess that would explain why mine is freaky

72
Jeff,AC4HF

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: NilsBull@aol.com
Subject: [8824] Digital Dial (again) and its cabinetry

Message-ID: <970114163439_1857931304@emout11.mail.aol.com>

I shoulda done this a year ago when I first got one of Lee's BK172/BK171 kits and put it together. You may remember my saying that it was the best frequency counter that I'd ever had and that it went together almost by itself and that I really liked it and that I was gonna keep it forever 'cause it was so damn spiffy! Well, that's about what I said. Anyway... I didn't get the appropriate cabinet from Lee 'cause I thought that I would end up putting it in the Argosy. Well, it ain't in the Argosy (won't fit and I ain't about to go postal over tryin' to put it in there) and it needed a box. So I sent for one.

I shoulda done this a year ago. Nice box. Looks great on top of the Argosy and the antoona tenner +c. I shoulda done this a year ago.

73

Nils

WB8IJN +c

(Which is to say: if you have one of Lee's counters & ain't got the box, you should had otter get one 'cause they're so damn spiffy.)

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: Dan Keen <70731.722@CompuServe.COM>

Subject: [8755] Email Providers (long)

Message-ID: <970114020921_70731.722_EHM98-1@CompuServe.COM>

Update on my conflict with AOL not refunding two year in advance fees:

Today 1-13-97 10:51 AM... Called bank who issued the VISA credit card (CAPITAL ONE) used to pay the bill to AOL.

Was told the card was charged \$358 dollars on Dec22. Explained that I had signed up for access to AOL services had dialed 20 times per evening for 22 days and got through only twice in the evening. Was told that was bad service I was getting and that I would be immediately connected to the bank's "dispute" division in Virginia and told how to go about getting the charge removed. After waiting on hold was told the phone lines to Virginia division is down with bad weather and to try again in afternoon.

Sigh...

1:15 PM Since the card company seemed like the best first step waited till now and recalled the bank. Reexplained the problem to a different representative who answered this time. He indicated that if the AOL policy was one of no refunds then there was little that the bank's credit card division could do, that I was probably out of luck. Quite a difference from

the more encouraging report obtained earlier from a different person who answered the phone. Asked about how the earlier bank rep had tried to connect to the "dispute" division of Capital One. The rep sounded like it would do little good but agreed to connect. Was told after waiting on hold that lines to Virginia are still down and to recall tomorrow.

Sigh... reread couple dozen messages here on the list abt. problem. Decided to call AOL again.

2:15 Called AOL was put on hold. Waiting on hold 'till 2:38. Answer. Explained problem again. Was told that no refund is the policy, that if I could not get through on AOL's number I could sign up with local ISP provider to access AOL, asked about refund in order to resign up with AOL on the ISP provider plan. Was told to dial two digits 61 to be connected with the accounts division. Dialed 61 was told all lines busy to call back later and the line hung up.

Sigh...

2:55 PM recalled AOL again. Made another 5 minute presentation of my problem. Was told that the rep would consult her supervisor. After waiting on hold for only a few seconds was given the special 1-888-265-8003 number direct to AOL "accounts" division in case doing a 61 bounced me again. 61 bounced. hung up.

sigh...

Called 1-888-265-8003 twice was told all lines to "accounts" dept. busy try again later.

sigh...

3:18 PM: Third time got an voice mail answer at "accounts" saying to wait for the next representative. 22 minutes later (3:40) a rep answered. This time I went round and round the rep kept repeating that "OK I understand but our policy is one of non refund and I cannot help you". Me saying "I payed for access to the net and have no access which was what I payed for. Out of 400 calls only getting 2 connections in the evening. Keep asking politely to speak to her supervisor. Finally she agreed saying that he will say the exact same thing. Put on hold 15 minutes. Supervisor answers. He says that the board of AOL is meeting this Thursday or maybe Friday do discuss rebates and refunds due to the nationwide access that AOL is having. Repeated the current status of policy was no refund. Me saying "I understand your policy is a no-refund policy but in view of the extraordinary lack of access in my situation for AOL to in my case waive the "no refund" policy in my particular case. Rep repeats no refunds can be given now. Why not wait until Monday after the board meets on Thursday and Friday where they will discuss these very types of situations that are now widespread nationwide. I

ask if I should then call back Monday, he says probably won't be necessary there might be automatic charges credited to bank cards of folks who have access problems. I ask how AOL would know if I am one of the users having such problems. He says AOL hqtrs will know which areas have access problems. I ask for refund politely due to my situation, don't get it and say that will have to call back Monday.

Sigh... its 428 PM almost time for everybody to close for the afternoon.

Horridly call information, get State Atty Gen'l office number. Call and get voice mail to an AG office 800 number. Recall the 800 number, speak to Atty Gen'l office clerk. She seemed real sympathetic. Told to file a claim and repeated an WWW site for ATTY GEN'l complaint form.

Hang up now its 445PM. Log onto net, get claim form. WWW message says that Atty Gen'l cannot in general ever help citizens get money refunded but they can go after and prosecute companies if warranted... sigh (not much help there), still will fill out State AG claim form, can't hurt. Meanwhile wait for to see what the card company says (doesn't sound too promising), and there is always the chance that the AOL board will meet and come up with some sort of monetary relief for their customers who have access problems. Seems doubtful to me that AOL board will decide to provide relief to those who have paid long term in advance like me, but might get lucky. Tomorrow will recall the bank, hope the lines to its Virginia "dispute" division is open and they have good news for me, despite their Capital One Bank/VISA rep earlier saying it didn't look good from my point of view, after all AOL has a no-refund policy and that is pretty much that.

sigh...

Will send letter to the bank making a dispute, but that don't look good now either.

Well after taking day off from work to do all this cannot take another day, will have to try at lunch in evenings to make calls, write letters, etc. Will keep trying...

Appreciate all suggestions especially Erin Scott's early message today which tipped me off to trying the Atty Gen'l, that was once thing hadn't thought of and got at least started on that today. Have to see what bank says then send letter to AG office...

Dan K

K6DZ

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [8835] Error in 38S Manual
Message-ID: <1.5.4.16.19970114160619.2f5ff71c@telis.org>

\$%&\$^#^/@ I made a mistake in the 38S Manual that I did not catch before I had 1000 of them printed. Ok guys, on page 10 on the 38 Special Parts list, L3 says 12 Turns, and L4 says 15 Turns. It should say L3 is 8 turns, and L4 is 12 turns. The schematic is right, the instructions are right, but, the @#%\$%#%\$^ parts list is wrong!! Please correct in your manual when you get it.

Also, when you tune up your transmitter. It is much easier to use a scope than any other method. I thought of two ways those of you who don't have a scope can do this. One, find a friend, acquaintance, enemy, old girl friend, new girl friend, mistress, neighbor whatever the case may be, and ask them to let you put your rig on their scope. Two, complete the rig. Put it in the case. Take it to your nearest store that sells scopes. Say, something like this:

"Hi, do you mind if I try your scope out?" Say that you have just built this QRP radio, and you want to try out the scope that you are thinking of buying (not a lie as every ham who has ever built a rig has thought about buying a scope). Then hook the probe to the center connector of the antenna, the ground to the case, attach a dummy load, plug in your battery and key, and then key the rig. Adjust TC-2 for the cleanest waveform. It may or may not be the point of highest power out. It should take about 10 seconds. The guy will be impressed that he can demo the scope, you will have your radio tweaked, and all will live happily ever after.

If anyone actually does option number 2, please post an account to the net. We would love to hear it. You can adjust the rig without a scope, but it is much easier with it. Don't despair if you don't have a scope, you will have good directions on how to do it in the manual. But, please check your alignment with a scope the first chance you get. Almost any scope will do, and you will learn something too! 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Owen Quarles <k1oj@swbell.net>
Subject: [8759] FOX
Message-ID: <32DAF775.733F@swbell.net>

Howdy from Texas!

My g5rv is laying flat on my roof due to strict deed restrictions.
Yesterday the freezing rain made a popcicle out of it. After finishing
some chores here at home, I stepped into the shack about 10 min befor
the end of Ron's fox run and there he was bigger than life! Nice big S-7
signal and sending CQ Fox. Thanks again Ron!
CU---0J---K10J
QRP-L 732
HOUSTON, TEXAS

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: n4js@amsat.org
Subject: [8757] Fox & QRP+
Message-ID: <XFMail.970113210834.n4js@amsat.org>

WEll, my QRP+ finally arrived at 6:30PM. I quickly hooked it up. I only had 1 ho
ur to get the Fox, since I had to leave for work at 9:00PM. I GOT HIM with 5 min
utes to spare! A worthy first contact on my "new" QRP+

BTW, A TERRIFIC packing job, Steve. That would have survived a bomb! Thanks much
!

_\ _\ _\ _\
(N)(4)(J)(S)
 _/ _/ _/ _/

John L. Sielke n4js@amsat.org
n4js@pobox.com n4js@hotmail.com n4js@n4js.ampr.org
<http://www.pobox.com/~n4js>
QRP-ARCI #9328 QRP-L #884 QCWA FISTS #2781

Sent at 21:08:33 On 13-Jan-97

Time is fluid ... like a river with currents, eddies, backwash.
-- Spock, "The City on the Edge of Forever", stardate 3134.0

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(N)(J)(B)(I)(R)(D)(M)(A)(N)
 _/ _/ _/ _/ _/ _/ _/ _/ _/

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zygodactyl@bigfoot.com jsielke@cyberenet.net njbirdman@juno.com
njbirdman@hotmail.com <http://www.pobox.com/~njbirdman>
"Why yes, I have some Grey poop on."

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: QLF@mimi@magic.itg.ti.com
Subject: [8797] FOX - - - - - WHERE WAS HE??
Message-ID: <9701141756.AA05637@itg.ti.com>

From: Brad Bradfield QLF

Subj: FOX - - - - - WHERE WAS HE??

Good morning QRPr's and QRPette's,

Listened for the fox for the first time last night and never heard a peep from anyone in the Ohio area. Too close. Was hearing 1's, 2's, and 4's, but no 8's. Also heard a loud C06 calling CQ, but he never heard me when I called him.

Oh, well. We'll try again tonight. And yes I know how to convert to and from UTC. Let's see now Central Standard Time divided by the square root of the speed of light plus Boltzman's constant equals UTC. Yeah, that's right!

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE	Electrical Design Engineer
(H) 817-321-2960	Texas Instruments, Inc.
(W) 214-462-6230	

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Doyle, Ron" <doyler@uh2297p01.daytonoh.ncr.com>
Subject: [8773] FOX report for Monday night.
Message-ID: <32DB8DDB@sdwinb.daytonoh.ncr.com>

Whew, that was a tough one. The band seemed to be very crowded so I started at 7043. Peter, kalaxy was sly enough to check there and started the ball rolling. It didn't roll very far though. I couldn't raise anyone else so I moved 7036 and tucked myself in amongst all the digital stuff. Things did

pick up and I started to make some contacts. It was a very slow start.

There was enough traffic nearby that I think I was making contacts in other qso's that had nothing to do with foxii. There are a couple of calls twice in my log because I heard them once but didn't make contact then they were able to come back a little later to make it.

The prize for the toughest contact goes to wa1??? It could have been waldog but I'm not sure. We did exchange info and that is in the log. I thought I got his number but it doesn't match so I didn't do as good as I thought. I gave him a 119 and if it hadn't been for his steady and patient repeats I wouldn't have heard as much as I did. Verify your call for me and I will complete my log. (Is that legal Chuck?)

The most power goes to AD1E, John who didn't have a clue to what was going on but was brave enough to try the contact anyway. John was running 500 watts to my 5. I don't think the exchange was complete on his end though.

AB50U gave it a good try but we just couldn't make it happen. I heard his call once as clear as a bell. That was it, Tim was never to be heard from again. Sorry about that.

Dean, N2TNN, finished the night off as the last contact.

I didn't make my goal of getting more contacts than my last hunt but it sure was challenging.

Thanks to all who made it and a special thanks to those that hung in there listening to noise and didn't find me.

Here is my log:

0107 KA1AXY	449	559	Peter	MA	260
0109 N1PVP	449		(one of those other qso's going on?)		
0118 KU4AF	339	549	John	NC	5w
0120 N1QQV	229	339	Ken	CT	400
0124 W2DP 449	???		Bob	NJ	805
0128 K4WZ 449	439		Ron	GA	924
0130 KC1FB	339		(first try wasn't complete)		
0135 WZ2T 339			(First try wasn't complete)		
0142 KE4YH	339	339	Stew	FL	590
0146 WZ2T 339	229		Rick	NY	122
0148 KC1FB	339	359	Jim	CT	29
0152 N4JS 449	449		John	NJ	883
0153 AA2ZW	339	579	Bob	NY	(part of another qso?)
0159 WY1W 229	329		Buch	CT	567
0212 AD1E 449	339		John	ME	500w
			(I bet this one doesn't count dose it Chuck?)		
021? WA1??			(just caught part of the call, no go)		

0221 AB50U 229 (wasn't meant to be)
 0230 KA5T 339 339 Larry TX 89
 0233 W5FN 339 339 Tim TX 586
 0235 NI0A 339 449 John NM 689
 0243 WA1??? 119 229 Jim?
 0250 W5XE 339 439 Ray TX 256
 0252 K10J 339 449 OJ TX 732
 0258 N2TNN 339 559 Dean NJ 560

TX 4, NJ 3, CT 3,
 GA FL MA ME NC NM NY

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
 From: SYDV00A@prodigy.com (FLOYD SMITHBERG)
 Subject: [8786] Fox, FSFD, ARCI SSB
 Message-ID: <199701141613.LAA17702@mime4.prodigy.com>

Condx were sure the pits here the past few days. Didn't get a sniff at a fox...no hunters heard either. Saw a coyote run thru my front yard yesterday and thought it might be a good omen...not to be. Heard and worked N9HH for FSFD last night while scouring 7035-7045 for the FOX and he wasn't getting many takers tho he was a good 569 at times. Frustrating for him...he said it was slowwww going. Seems such a concentrated program it's going to be hard to keep it going for 50 days. Tried to find AC5AM Sat for LA FSFD amidst the NA test but just too much QRO competition and gave it up to work on my SCAF. For the ARCI SSB Test Sunday I worked 20M only for 2.5 hours and struggled to make 19 Qs finally quit trying when Q/hr dropped to 0. Gave me some more time on the SCAF. Hope to have better luck with FSFD Tom today and the FOX tonight...swing your beam at AZ tonight Randy, we'll be looking for you.

Floyd NQ7X Phoenix ScQRPion dm33uq

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
 From: "Randy Moore" <wr.moore@worldnet.att.net>
 Subject: [8762] Fox: Tuesday night
 Message-ID: <19970114032341.AAA5579@THEMOORE.pcmail.ingr.com>

Sorry to be late with this notice, but work has me fully occupied lately.

I'll be the Fox on Tuesday night, 1/14/97, 8:00-10:00 CST (that's Wednesday, 1/15, 0200-0400 UTC). Look for me on or about 7037. OHR 400 @ 5w to a big horizontal loop and/or a 40m inverted vee. See ya!

72/73,

Randy, KS4L
Huntsville, AL

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Wayne Glover <wayneg@ci.ogden.ut.us>
Subject: [8790] FS HW-8
Message-ID: <32DBD278.274A@ci.ogden.ut.us>

I have an HW-8 sitting idle in the shack. Not bad shape and I have the manual. I didn't build it. I got it from WN7SIU - Ken Bird in SLC a few years back. The main tuning knob has been replaced with a large spinner and the other knobs have all been replaced with larger silver "heath" versions vs the dark plastic originals. Some minor mods from the "Hot Water Handbook"; an "S meter" and a speaker has been added to the top cover. It certainly isn't mint, but it works and needs a good home. \$85 including shipping in lower 48 and I'll throw in the "Hotwater Handbook" if anyone is interested.

e-mail to the work address <wayneg@ci.ogden.ut.us> or the home server <wayneg@mail.kdcol.com> or phone days 801-629-8961 evenings 801-825-4507

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Wayne Glover <wayneg@ci.ogden.ut.us>
Subject: [8796] FS HW-8
Message-ID: <32DBD6DC.3CA1@ci.ogden.ut.us>

It's sold. Wish I had ten more 72/73 - Wayne WJ7H

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: NZ8J <timcook@erinet.com>
Subject: [8752] FS: HW-9
Message-ID: <32DAD6D6.13D1@erinet.com>

The HW-9 is back on the market:

Super nice condition UNMODIFIED HW-9 with WARC bands. All original with manuals and schematics and power cord. Will ship in 48 for \$285. Email for more info. Will consider single bander (40M) Qrp rig, or OHR-400 or Sierra, or ??? make offer...

Tim
NZ8J

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Brad Mugleston <bmug@gw1.com>
Subject: [8789] Grey Line
Message-ID: <01BC01FF.A2D9C400@pps-pc10.gw1.com>

Grey Line People,

I was wondering what kind of GL propagation I would be able to get next week from Hawaii. Does anyone have a GL program that would tell me where the line is in the AM & PM from OAHU?

Also does anyone know of a good GL program (share/free ware). I can sometimes get web access to grab one.

Thanks

Brad, KB0ROL

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bruce Rattray <rattray@siast.sk.ca>
Subject: [8785] Heard island qrp
Message-ID: <3415381014011997/A05439/RIEL/11B172A60E00*@MHS>

If anyone is interested in working the Heard island dxpedition qrp (or whatever), you can access an informational link , on the Regina Amateur Radio Association Home Page, concerning the dxpedition by connecting to -
<http://www.gpfn.sk.ca/hobbies/rara/index.html> ...and then scroll down and then click on the Heard Island "real time" link which will show you the times and frequencies they are currently operating on AND you can also check to see if you are IN THE LOG by scrolling down a little further for this feature...good luck!
Bruce (VE5RC) QRP-L#886
"QRP! How sweet it is!"

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [8784] HELP W/PB6BP

Message-ID: <9700148532.AA853267193@smtpgw.ccgate.dl.nec.com>

Gang:

Hello from snowy/icy/cold Texas. Spent a good deal yesterday staying warm by the rig.

Was hoping someone could help with QSL info for one I snagged 1/13 afternoon.

Was CQing on 7030kHz abt 1930z, when PB6BP (Maurice) answered just above the noise. We did the exchange, then a pile-up began. Rig used Yaesu FT-840 @ 3w to inverted vee up 30'

I was a bit skeptical of this one, as condx were fair, not great, my less-than-optimal antenna, and it was 1:30pm local time (not best DX time). When I heard the pile-up begin, I figured either I got a good one, or this guy has a bunch of us fooled.

Anyway, the only info I've got is that PB6 is The Netherlands.

Any help would be appreciated greatly.

Anxious to get the 38S. I'll be part of "GATE 2" group, but that's ok. I'll listen to the advice of the first 500 builders for their hints and kinks (if any).

TIA & 73,
Dave NR3E
nr Dallas, TX
QRP-L #25

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bill N9HH <billnihh@apci.net>
Subject: [8772] IL Preliminary FSFD report
Message-ID: <32DB7E78.76D1@apci.net>

Multiple choice test:

Question 1: Why was I having so much trouble making contacts?

- a. I don't have an antenna
- b. Conditions were really stinko
- c. I can't hear

- d. Illinis isn't in much demand
- e. Its the 13th, even if it ain't a Friday
- f. All of the above

I really did try to put Illinois on for FSFD, and considering that (a.) above is not too far from the truth, I usually can do fairly well. Even my magic downspout/rain gutter combination didn't work.

Managed 26 contacts in I don't want to admit how many hours on the air. I called CQ WAS 193 times, plus a few I probably didn't tally. Reminded me of operating a January VHF contest.

I didn't even think I heard a signal above 20 meters. I didn't hear many signals on 20 meters. 40 was sounding pretty good in the early evening, but by 1900 local it was just about gone. Signals weak and lots of QSB.

Its been mighty cold here the last 4 days, not over about 5 above zero. Maybe the electrons were frozen to the antenna.

I'll post log data soon, if anybody's interested.

73, Bill, N9HH Troy, IL

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Joe Gervais <vole@primenet.com>
Subject: [8814] KC7NEV is Kaput - Long live AB7TT
Message-ID: <199701142053.NAA14587@primenet.com>

Howdy Folks,

The White Whale has been captured! After weeks of obsessing, gathering statistics on the rate at which 7-land Extra calls were being assigned (with seasonal variations accounted for), doggedly monitoring the daily FCC activity logs, and generally wasting my life, I've captured my quarry.

Yes, perhaps even more elusive than the Fox, I've captured the exact non-vanity callsign I'd been stalking!

The stats, recently-issued calls, phase of the moon and average length of Scottish kilts in '96 all agreed that the time had come. So last Wednesday I

FedEx'd my FCC 610 to the Mothership and nervously waited. Tortuously the days passed. Then the weekend. Argh! But this morning there it was, staring back at me in glorious official electronic text via the callsign database: "Joe Gervais, AB7TT".

WAHOO! I say again, WAHOO! I'll miss KC7NEV, but at least I have tons of QSLs to remind me. :-)

So adjust your "kill files" and email filters, I am now AB7TT. :-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [8782] KnightLites FYBO, QNS, etc
Message-ID: <32DBB368.320E@amsat.org>

Hi Gang,

The Knightlites are in the midst of a busy Spring, with plans underway for a laid back FYBO "party" out at lake Jordan. Word has it that Steve, AA1BK is building a special cooler to fit over the code key --something to do with liquid nitrogen--70 below zero, I think he said. In April, we're heading out to uninhabited Portsmouth Island, south of Cape Hatteras, for a QRPedition. We'll post more details about these two events in the near future, in hopes that some additional intrepid souls will consider coming with us.

We also invite those of you within driving distance of Raleigh, NC to join us for a riotous evening of QRPizza each second Thursday night at Two Guys Restaurant on Hillsborough St., across from NCSU campus. The gang starts showing up just before 7PM, and we stay until the management starts locking the place up. Our next gathering will be Thursday, Feb. 13th. Bring your QRP goodies for show-and-tell. Also bring a friend. We guarantee you'll have a gooooood time!

One event that keeps us KL QRP'ers engaged on a weekly basis is the KL Roundtable, which meets each Sunday night at 0230Z (9:30PM EST). Most folks check in running QRP, but we welcome check-ins at any power level and any speed--FAST or SLOW. To help you get a feel for what goes on during a typical Roundtable session, here are some comments from last Sunday's net: "Sure is chilly..running my sierra at 2W

with attic dipole" (AA1BK), "K3QIO is blasting in tonight" (KA3IVB), "Running Argo 509 at 4W tonight...Hv to fire up tube gear to heat shack" (W3KC), "Running TS 820S with G5RV up 40 ft" (K5ZTY), "My key for tonight is a Vibroplex Brass Racer" (AC4Z0), "Am running an HW-8 at 400 mW into G5RV up 50 ft" (KI4PZ), "It's windy today...Trying new 80M dipole" (KF2PH), "It's cold in these parts...Lots of good sigs though...Seems everyone has been working on antennas-Hi!" (VE3SP), "Guess my HW-8 still working!" (KA2PQY), "Just wanted to tell KL Gang Hi...Are you going to Dayton?" (W4Q0).

Welcome to new Knights: K2SJB (Dave from Ithaca, NY), and K4WZ (Ron from nr Atlanta, GA). As for DX, we heard from K5ZTY (Bill in Houston, TX), as well as regulars WB0CLD (Bill in St. Charles, MO), and VE3SP (Ron in Hamilton, ON). Despite noisy band conditions, all stations were quite readable.

Warren, AD4ZE checked in from Oriental, NC, where he and his wife, Khristie, and their dog, are about to embark on a year of sailing in the Bahamas and Florida Keys. Warren reported that Khristie is getting over a bout with the flu and that they will be setting sail today, January 14th. He will be operating primarily on 20 and 40 Meters, monitoring the maritime nets. He will also be operating QRP CW on the QRP calling frequencies as time permits, hopefully with periodic check ins to the Knightlites 80M Roundtable. His rig is an IC-706. Warren may be contacted through his new email alias: AD4ZE@amsat.org. We wish you three a grand voyage, Warren!

Following is the net report from last Sunday, January 12th, 1997. Stations were spread over 15 states plus VE3-land. This session's "MightyLite" award goes to Rick - KI4PZ - for his 400 mW check-in running an HW-8 and a booming RST "589."

(Please note that the Knightlites will be using their new club call until our vanity call arrives. The new call is KF40GA.)

K3QIO	Jim	Wilmington,	DE		559	
WB4LZQ	Kim	Piedmont,	SC		599	Dipole
W3AW	Kirk	Canton,	OH		449	
KA3IVB	Curt	Oakdale,	PA	5W	569	
AA1BK	Steve	Raleigh,	NC	2W	549	Sierra, attic dip
K2SJB	Dave	Ithaca,	NY	5W	599+20	
W3KC	Chas	Kensington,	MD	4W	549	Argo 509, zepp
KC4URI	Steve	Ashland,	VA	5W	559	Dipole
N3GO	Gary	Raleigh,	NC	2.5W	599+10	
WD9CTB	Jerry	Floyd Knobs,	IN	3W	569	40M hor delta
K4WZ	Ron	Atlanta,	GA	5W	599	FT 1000D
WB0CLD	Bill	St. Charles,	MO	5W	439	
AE4IC	Bob	Greensboro,	NC		449	Hor Loop

K5ZTY	Bill	Houston,	TX	5W	549! G5RV at 40'
WA8LCZ	Byron	Warren,	MI		339 GAP vert
AC4ZO	Jeff	Cary,	NC		599+20
AA3EJ	Dave	Philipsburg,	PA	5W	599 Marconi, TS 850S
KI4PZ	Rick	High Point,	NC	400mW	589 HW-8, G5RV at 50'
AD4ZE	Warren	Oriental,	NC	3W	599 IC 706, LW
KF2PH	Nick	Patchogue,	NY	2W	579 New 80M dipole
VE3SP	Ron	Hamilton,	ON	5W	449
KF8EE	Ted	Loveland,	OH	5W	579 Argo II, LW
N2TNN	Dean	Somerset,	NJ	3W	589 Dipole
KA2PQY	Mike	Milway,	NJ	2W	589 HW-8
KF9HC	Dick	Neponset,	IL		339
W4QO	Jim	Roswell,	GA	4W	599
AA4XX	Paul	Raleigh,	NC	5W	(NCS) OCF 80M dipole

72 till next Roundtable, de Paul AA4XX (919) 779-1637

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
 From: NilsBull@aol.com
 Subject: [8827] Loop antennas question (like a big dumb badger otter ask)...
 Message-ID: <970114164830_979573142@emout02.mail.aol.com>

One of the lost files in the destruction of the data world as we know it here at the Grinnin' Turkey Ranch was the reasonably long and very interesting article posted by one of the listers about Loop Antennas and Efficient designees. (That's "dee-zigg-knees," like what the word "designs" looks like, see... anyway...)

If said author of said article would kindly send that info to me directly, many AOL customers would be happy to know that I had traded one section of their precious and hard to recover link time for my own precious and hard to recover link time. In other words, I need that info again. Whoever's got it, send it to me. And please. And thank you.

And I saw the pitcher of Preston's NC38S (whoa! sounds like a real big radio, ne?) on the web page. With only 4 meg of memory, it took about half an hour to load. But I saw it. And now I know that I gotta have one of them radios. In fact, I can probably find a use for two more of 'em... but that's another story....

73
 Nils
 WB8IJN +c

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [8774] Mon FOX/FSFD
Message-ID: <199701141358.GAA07753@dancris.com>

Man, the digital 'noise' was ferocious last night. Solid from 7.034-7.038+.
Some contest or other? One station was so loud, it was like he was next
door. No luck hearing anyone.

73,

Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [8806] N/T FOX Thursday Night
Message-ID: <v03007800af018a61ec77@[129.74.87.62]>

N/T Fox
WD4MSM

I will be on the air Thursday evening
(the LOCAL date will be January 16, 1997).

I will operate "near" 7.112 or 7.122
(as conditions warrant). I will be
on the air from 8:00 pm - 10:00 pm
New York (EST) time:

Thursday, January 16th (local date)
8:00 - 10:00 pm local (EST) time
0200 - 0400 UTC
frequency; "near" 7.112+- or 7.122+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

I will begin near 7.122 +/- and move
near 7.122 +/- as interference warrants

Barry Keating
WD4MSM

p

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: 14-Jan-1997 1452 <randolph@asic.ENABLE.com>
Subject: [8811] N100Q RX #7: diplexer tradeoffs
Message-ID: <9701141956.AA26821@us3rmc.pa.dec.com>

Between the mixers and the IF amps are the diplexers. These circuits are designed to pass a small range of freqs on to the amps, while terminating all other freqs into a 50 ohm resistor. This prevents reflection of any mixer products back into the mixer's output port, where it could degrade the mixer's intercept point. Also, this protects the IF amps from having to deal with too large a range of input freqs. The input impedance of the amps can be controlled to look like 50 ohms across a wide bandwidth, just what we want on the mixer output, but every signal other than the IF is just potential distortion-causing junk to the amp. For instance, the first couple of harmonics of the LO are strong enough to cause concern. We don't want to use up the IF amp in amplifying these junk freqs.

In some cases, the vast majority of the junk we want to filter is above the IF, and a simple lowpass/highpass arrangement will work. This is usually the case if the IF is very low, for instance 455 KHz, or if we're mixing to audio in a product detector.

In this receiver, with its VHF and HF IF's, bandpass/bandstop circuits are needed. They consist of simply a parallel tuned circuit to ground, through a 50 ohm resistor, and a series tuned circuit to the input of the amp. The parallel circuit blocks only the IF, terminating all other freqs in the resistor. The series circuit passes only the IF, blocking all other freqs. The 50 ohm input of the amplifier at the IF, combined with the 50 ohm resistor at other freqs, gives a reasonably smooth 50 ohm termination at all freqs. If the tuned circuits aren't well matched in freq, there will be some bumps in this smooth termination, so some tweeking of the diplexers is a must. The bandwidths (the Q of the tuned circuits) are kept somewhat wide, a couple of MHz, to make this tuning easier. This also keeps insertion loss to a minimum, preserving our NF.

The diplexers are made up of LC tuned circuits. We have to make sure there are no L's or C's in the preceeding or following circuits that will interact with these and cause resonances that we don't want, as we need to do with any LC filter. Strange resonances will cause impedance bumps and reflections, messing up all our careful termination.

The diplexers in this receiver are unidirectional, that is, the diplexing action will not occur in the reverse direction. The IF would be passed backwards to the input, but every other freq would be reflected rather than dissipated in a resistor. This might be cause for concern in some receiver systems, where impedance after the diplexer isn't consistent across a wide freq range, and signals get reflected back toward the mixer.

You may have heard the similar term, "duplexer", before. A diplexer isolates two very different frequency bands, like our IF and all other freqs. This isn't terribly difficult to do with LC filters. A duplexer isolates two very close frequencies, for instance, the input and output freq of a VHF repeater. This is rather difficult, and is done with tuned cavities.

These N100Q RX postings are intended to be a learning exercise for the QRP-L folks, so if you have questions or comments, post them! How's the level of detail? Too much or too little?

```
=====
Tom Randolph  N100Q  NE-QRP 419  QRP-L 87  ARRL      randolph@asic.enet.dec.com
=====
```

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [8834] NC38S #1 Arrived
Message-ID: <199701142258.WAA03676@chuck.dallas.sgi.com>

Gang,

#1 and #2 arrived in Dallas. Going to the house.
Film at 11.

In note Jim sent me. We can all save him a lot of time
and money.

1. Send him mailing label everytime you order something.
I think he is handwriting stuff to a lot of people.
This guy's time is very valuable. Think ahead gang.
2. Somebody get him a "First Class" rubber red self-inking
stamp there in CA.

OK, stand by for a report to follow late tonight. I'm
not in non-interruptable mode and non-preemptable project
mode. Don't think 30M will be alive late but will try

10.116MHz JIC/JB (Just in Case/Just Because)

Stay tuned to this bat channel, same bat time,.....

dit dit

SIG

Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: "Serafino Conflitti" <sconflit@arcos.org>

Subject: [8809] NC38S questions and mods

Message-ID: <97Jan14.145615est.115438-1976@mail.uunet.ca>

Hello to all.

Waiting for confirmation of my order for an NC38S :-)

In the meantime I was going through my junk box and came across a couple of things.

I found a nice 2Kohm 10 turn helipot that seems to be a wirewound mil-spec unit. Would anyone be willing to guess if it could be used in place of the 100Kohm pot that is called for in the parts list? Would the inductance of my pot add to the inductance of L1 (4.7 uH) and possibly change the amount of pull on the crystal X1? IF this pot is usable I would need to get a turns counting dial but that would cost almost as much as the NC38S :-)

I also found a 10 segment LED bar display, the kind used with the LM3914 bar-graph driver chip. With a tuning range of 20Khz. it should be easy to get a display with

2Khz. resolution. By 'dithering' the LM3914 it should be possible to get 1Khz. resolution with the 10 segment display. As you tune upwards in 1Khz. steps, the sequence of 2 adjacent LED's would be: BRIGHT-OFF , DIM-DIM , OFF-BRIGHT. Would adding the LM3914 have any effect on the tuning of the rig? Anything else in the bottom of the junk box?

73

Serafino

sconflit@arcos.org

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [8813] New Antenna Article
Message-ID: <853265914.514668.0@gqrpclub.demon.co.uk>

Greetings fellow QRPers.

I have added an article about a multiband loop to my Demon web site. The url for this article is <http://www.gqrpclub.demon.co.uk/dl2hcb.htm> if you want to go straight to it.

It has been suggested I put the url on to help, so here it is!

Thanks for the support.

---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [8783] New KnightLites Callsign
Message-ID: <32DBB036.7CF9@amsat.org>

Hi Gang,

I'd like to say a word of thanks to Steve, AA1BK, for his initiative in obtaining a club call for the KnightLites. The FCC assigned us KF40GA, which is a first step in our acquiring the vanity call of our choice. (A vanity call cannot be applied for until FCC has issued a standard call). Until our vanity call is obtained, we will be using KF40GA for the weekly KL Net.

72,

Paul AA4XX

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Richard Hensel" <rrhensel@sprintmail.com>
Subject: [8760] NN1G Rigs- perhaps
Message-ID: <199701140339.TAA21516@mailgate31>

I have to agree with Dave. I bought 2 of the Small wonder labs kits. 80M and 40M.

Both kits went together without a hitch (well none I could attribute to Dave) and are now

working FB as a dual band QRP rig. I have been toying with the idea of getting a couple more in different bands as I still have room in my enclosure to make a 4 band rig.

#include <std.disclamer>

Just a satisfied user.

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: NilsBull@aol.com
Subject: [8825] Old Radios and Radioactive paint question
Message-ID: <970114163426_504051316@emout17.mail.aol.com>

Ok, here's the set-up. I have an old Canadian 47 MHz transceiver what I got many years ago when I was a lot more adventurish & a lot more stupid. I gutted the radio for no other reason than that I couldn't find tubes and batteries +c. So anyway, this little green box looks like a prime candidate for QRP developments. However...

I want to machine off the front panel just enough to level the surface and get rid of bumps that are in the wrong places for my planned idiocy. This will involve (a) grinding off all the green paint and (b) removing the glow-in-the-dark little markings on the front of the panel.

Question is: Is the material in the glow in the dark bumps radioactive? Like the meters on old R390s +c what you can't get in the radio 'cause the sales joints don't wanna be caught messing up someone's health with radioactive dust or something. If the paint is radioactive, then the machining will happen. I'll just build the radio into the box to suit the little bumps +c.

Eh? Will I glow in the dark too?

73
Nils
WB8IJN +c

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: kf2ph@juno.com (Nick Franco)
Subject: [8766] Pixie2 Re-visited

Message-ID: <19970114.020426.4334.3.kf2ph@juno.com>

Well, I had a couple of these Altoids tins and never did what I intended to with them. So I sat down and finally built a dual band Pixie2 for 80 and 40 meters. I used Denis Englander's concept of the externally mounted crystal socket. This made the task of switching bands easy. I only had to put the L3 inductor on the switch. I can manually switch in any crystal I want. I also put a hand key on the lid so I'm self contained. I want to add a key jack and also maybe a DC jack for external power supply hook-up. It seems to run fine. I'm so tired now and haven't had the chance to make a contact with it yet. I called CQ several times on 3.579 and 3.686 and 7.040. I do have some local Broadcast QRM on 40 meters though.

I wanted to get something ready for the NE-QRP Color Burst Sprints. Now I only need some on the air testing and practice and I'll be ready. No side tone is a killer.

72 all,
Nick

--

Nick Franco	<><	KF2PH/qrp
QRP-L # 13	NE-QRP # 349	ARS # 128
LIQRP		
Music Minister	-	Church of the Nazarene
Patchogue, LI	NY	Suffolk County

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "W. D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [8810] Please Re-Post 1/14/96 FOX notice
Message-ID: <970114195703_70511.3041_IHD59-1@CompuServe.COM>

Gang:

Unaccountably, I deleted the notice about tonight's FOX. Would someone please re-post it? Still hoping to snag my *first* one of 1997. Thanks in advance for the assist.

72/73 es gud luck,
--Doc/K0EVZ QRP-L #861

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Laura" <sputnik@imt.net>

Subject: [8828] Poor Nils!

Message-ID: <199701142204.PAA19129@cu.imt.net>

>Is the material in the glow in the dark bumps radioactive?

>Eh? Will I glow in the dark too?

>73 Nils WB8IJN +c

Nils, my friend...I don't know how to tell you this, but I think you may have already been exposed to some radioactive material! "Sir, step away from the shack and drop the glowing object...we are only here to help you..."

(you gotta love Nils!)

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA

sputnik@imt.net <http://www.imt.net/~sputnik>

GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: wb2vuo@juno.com (William K Hibbert)

Subject: [8837] Radios and Radioluminescent Paint(s)

Message-ID: <19970114.181911.4639.5.wb2vuo@juno.com>

Nils posts an interesting question, and the first answer to the question, "Should I scrape (machine) off that old, glow-in-the-dark paint???", is a resounding NO !!!!!

There are several types of luminous dial markings, but the most common, in older gear, are the phosphorescent and the radioluminescent.

The phosphorescent paints use phosphor-containing dyes that absorb energy from the light that strikes it, and re-radiates the light later, thus bringing the energy levels of the compounds back to "normal"

The radioluminescent paints contain a fluorescing dye, mixed with a radioactive material, Radium in the older ones, say pre-1955. These were used extensively in WW-II radios to allow the operator to see the dials without revealing their positions at night, or to preserve their night vision.

The problem with the radioluminescent paints is twofold:

1- The actual quantity of radioisotope is very small, but the type of

hazard it presents is MUCH higher in the highly-divided or powdered form. Radium emits two kinds of radiation, alpha particles and gamma rays. The alpha particles are really highly-ionized helium nuclei, and do not constitute an external radiation hazard as they won't even penetrate the outer layers of your skin. The gamma rays, falling in the 800 KeV to 1.6 MeV energy range ARE highly penetrating, and if you had enough radium, say 0.1 curies or more, you would have enough for an exposure problem. Where the problem arises, even with the small quantities involved in panel markings, is the ingestion/inhalation of the radium. This now presents an exposure hazard to your internal tissues, such as the lungs, trachea, digestive tract, etc. Alpha particles, although they DON'T penetrate tissues well, are the most ionizing form of radiation, and will do the most damage internally.

2- Radium has an atomic weight of 226, higher than lead, and all of the heavy metals are highly toxic. The toxicity is high enough that the maximum allowable internal dose is

-->ZERO<--, that's zilch, nada, not a bit, etc... If you are even SLIGHTLY suspicious that there may be radium in the paint, DON'T TOUCH IT!!!

To determine if your paint is phosphorescent or radioluminescent you can use a simple test first. Put the panel/instrument in a dark room, or a light-tight drawer. After it has not been exposed to any light for a day or so, in the dark still, remove the panel (still in the dark) and see if it is glowing. If it is, it is Radioactive, if not it is phosphorescent. For a positive test, look up a commercial Industrial Non-Destructive Testing lab in your area, one that deals with industrial or pipeline radiography. They will have a sensitive gamma/X-ray survey meter that will tell you positively whether it is radioactive or not.

Surplus Civil Defense-type "Geiger Counters" are usually not sensitive enough to read the levels found here.

A non-QRP subject, but safety is more important than bandwidth...

There is no way to remove the radioactive paint that is safe and/or legal. The levels involved are such that even Uncle Sam, who dumps on us all at one time or another, treats this stuff like bomb material, and compacts it or buries it in a radioactive landfill like the Hanover site. Contact someone familiar with HAZMAT for more information.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY), ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group Trustee, KB2YTW/B 10 Mtr Milliwattting Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: James Bennett <james@research.nj.nec.com>
Subject: [8763] Rainbow orders status
Message-ID: <Pine.sol.3.91.970113233449.13803A-100000@shakti>

Again, thanks to everyone who has placed an order for the N2CX Rainbow bridge/tuner kit from the NJQRP club.
I have almost all of the orders received to date logged in and will be notifying directly everyone who has ordered a Rainbow kit.
If you placed an order and haven't heard from me by this time next week, please email and I will recheck.
Our plans are to ship by the end of Feb.
Thanks for your patience and for support of our kit.
Thanks and 72/73
James Bennett
KA5DVS

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "David P. Drake" <dpd@dtpx2.ncifcrf.gov>
Subject: [8781] Red Cards
Message-ID: <19970114115530dpd@dtpsys.ncifcrf.gov>

I can count on one hand the number of red cards I've given -
The rest the players earned them.

Sorry I just had to respond to that statement. ;)

Dave Drake - DPD@dtpx2.ncifcrf.gov
You cannot depend on your eyes when your imagination is out of focus.
-Mark Twain

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Joseph L. Hartmann, Jr." <joe@h@sugar-river.net>
Subject: [8836] Some radio books for sale.
Message-ID: <Pine.BSD/.3.91.970114185229.74660-100000@arakis.sugar-river.net>

I have some radio books for sale (and othere technical books).
The books are listed in a plain ascii file. If you want me to
send you a copy, please email me requesting same.

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Martin Squicciarini <skitch@resuba.com>
Subject: [8769] Sorry for waste of bandwidth
Message-ID: <Pine.LNX.3.91.970114064707.8845A-1000000@resuba.com>

Please accept my apology for sending the FS Argosy message 6 times. My mailer program kept telling me that the message had not been sent and I beleived it. I'll know better next time.

72/73
Marty Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [8795] South Dakota and North Dakota
Message-ID: <v02130506af01774b3fe6@[192.31.66.229]>

Paul wrote of the recent ND (and SD) questions;

"Tim (and others),
Since ND is so QRP rares, maybe yooz and me should go to ND for the upcoming FYBO? Jim KK6MC/5 and Jay WA5WHN can carry NM in our absence -hi. Of course, if New Mexico doesn't start warming up, there may be little need to travel for those extra FYBO bonus points.

72, Paul NA5N"

Hey Paul; as a former South Dakotan, WA0MWN, I can tell you a lot about operating in the winter. I have erected antennas in sub zero weather, a 160 M Marconi for the CQ 160 M contest, and laid radials on top of the ground (it was frozen) helping my dad, WA0OML, erect a new antenna when visiting one Christmas. In my opinion think real hard about how bad you need that multiplier. It has been 0 to 5 degrees F at my QTH most nights lately, with days not much above 10 F.

Course I do remember those days in February when it got above freezing, frisbee on the campus green, coeds sunbathing, no one in class, and putting up the end of the 80M dipole that came down in the ice storm. New Mexico is better for winter antenna work. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Laird Jerman <ljerman@earthlink.net>
Subject: [8768] Test
Message-ID: <199701140846.AAA28977@denmark.it.earthlink.net>

Test don't read

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [8817] TiCK chip
Message-ID: <01IE7H61AQYQ8WX2BS@tntech.edu>

Howdi,

I would like to get my order in for the chip keyer for the N38S. I was under the impression the chip went right onto the N38S board. I just checked the Emtech page.. they now offer the chip in 3 configurations.. chip only, chip and board, and chip, board and parts.

Seems if there are places for the keyer on the N38S board, what I will really need is the chip and other parts, and not the board,

anyone know anything.. I sure don't today?

PS.. seems from info I received, all I need do is put the socket for the IC and maybe the electrolytic on the back side of the filter board for the Dan's NW8020?

72
Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Laura" <sputnik@imt.net>

Subject: [8831] Tins, I must have more tins!
Message-ID: <199701142218.PAA19969@cu.imt.net>

Ok, so I've ordered a 38S (is that what we decided to call it?) and a Rainbow tuner/bridge and have a 49er on the way. Now I am faced with a terrible new affliction.

I can't go anywhere without looking for "tins". You know, little tins in which to put radio kits. I've got the "Celestial Seasonings", I'm being sent an "Altoids" and there are so many more. I see tins in every candy isle, over in the herbal teas, next to some frightening looking ointment: "Russ, look there! Isn't that a replica of the old Nabisco cracker tin? I gotta have that" "But what do you need another tin for?" "I don't know, it might come in handy!" Has anyone else become a "tin" addict too? Is there a twelve step program for this?pause..... sorry, I was eating some "Andes candies" that I bought in the new "Valentine" tin.... a radio in a heart shaped tin... what am I nuts?

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [8833] tins???
Message-ID: <199701142240.QAA21485@vob005.spd.dsccc.com>

Laura wrote

> Has anyone else become a "tin" addict too?

Do you have to ask personal questions?

Do you know what you could start if somebody answered that question in a public place? Do you know how hard it is to hide things in your own house when your wife is a meticulous house keeper? (What are these things hiding behind the bathroom lavatory?) Do you know how bad it is when the door patrol shakes you down before letting you in? (OH! How did that tin box of crackers get in our shopping basket?) What are these funny things in my lozenges?

Charles Cashion 8->

--

I don't care what they say about me.

I am NOT paranoid!

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: bachmann@ari.net

Subject: [8753] Using a gimmick to tune a frequency counter in a GM30

Message-ID: <199701140200.VAA28102@mtolympus.ari.net>

Hi gang,

Does anyone have experience using a gimmick to tune something up? I am trying to use about 3 inches of twisted #24 magnet wire with heat shrink on it to get between 10 and 15 pf (the exact value is what tunes the counter up properly). It looks like it will work, but I was wondering whether a gimmick is a stable capacitor and if there are pitfalls. It seems like a simple way to get a small, non-standard capacitance value but I can't find any references to it in electronics books. The major drawback is that it only adjust one way...if you cut it too short, you have to start over!

Background:

I am trying to put a frequency counter into a Green Mountain 30 rig. It is a neat little counter, made by Almost All Digital Electronics. With '10.0011 MHz CW' on the display it draws about 16 ma. It has four 15 turn pots. Two are for offset (coarse and fine) and control A/D converters giving a minimum step for the LO of 500 Hz. The third pot sets the contrast on the display. The fourth pot is for prescale applications. A fixed resistor is used to set the mode on the display (blank, USB, LSB, CW and others) according to a chart. There are two jumpers, one overrides the coarse and fine offset controls to force the offset to zero. The other is used to add or subtract the LO from the input frequency. It uses a CD74HC4046 Phase Lock Loop as the input device. I think it is just using phase comparator I in the chip which has an input impedance of more than 100K. The rest of the circuit is the display, voltage regulator, and a PIC16C71. The circuit on the PIC that provides the timing is a PI circuit, a 16 MHz crystal is across the top of the PI, and 22pf NPO caps are the legs which go to ground. Pins 15 and 16 of the PIC connect across the top of the PI (in parallel with the crystal). This leads to the problem: both of the capacitors are fixed, not allowing calibration of the counter circuit.

With offset set to zero and a 10.00000x MHz signal, the display reads '10.0023 MHz CW'. I pulled one of the 22 pf NPOs and it read 9.9967. It is right in the tuning range, it just needs a trimmer. I think the value needs to be about 13 pf. There is no easy way to put a trimmer on the component side, it is facing the back of the display and a right angle trimmer would have to be used. One could put the trimmer on the circuit side using the .1 spacing on

the holes. Because there was no appropriate trimmer on hand, I decided to try a gimmick, about an 1 1/2 inches of twisted #24 wire. This pulled it up to 9.9989 MHz. A 3 inch one pulls it up to 10.0011. I put some heat shrink on it and hot glued it along the bottom edge of the board. This is where the project sits now.

The 500 Hz granularity of the offset adjustment and the fact that the IF is not at exactly 8 MHz complicates the calibration. I am going to try to calibrate it to the LO/IF of the GM30 by: 1.) tuning my signal source to 10.125000 2.) tuning the GM30 until I read 800 hz on an audio counter 3.) trim the gimmick until it reads 10.1250 (while checking what input frequency changes it to 10.1249 and 10.1251).

73, Rich Bachmann, N3SLR, Baltimore, MD

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: rob3ert@juno.com (Robert G. Parks)
Subject: [8820] wanted:
Message-ID: <19970114.132038.8982.0.rob3ert@juno.com>

Gang,

I have been looking for a Regency ATC-1 ham-band converter for a while. This little item is circa 1955 and is transistorized. Almost got one from Ross Dist., but before I called, it "grew legs".

Any leads would be appreciated.

Thanks es gud dx

72/73

Bob Parks
K6AEC (Las Vegas)
QRP-L#630
NorCal#1771
etc, etc.

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [8815] Web sites, latest
Message-ID: <853265591.512644.0@gqrpclub.demon.co.uk>

Thanks to those who spotted some errors in my re-done web site at Demon. They were only temporary, as I had uploaded them in their previous form and

when edited, should work OK now. Do let me know however, I 'aint infalable!

NEW ADDITION:

A 5 WATT MOSFET PA

---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [8792] WTB: HW-8 Power Supply
Message-ID: <199701141742.MAA44762@nss2.CC.Lehigh.EDU>

Greetings,

I am looking for an HW-8 power supply to complete the HW-8 setup for my collection. Email me with info !!

thx & 72,
n3qoo
john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: tedk4mkx@nmaa.org (Edward Beach)
Subject: [8799] Xcvr Accuracy and Stability
Message-ID: <32DBF5DF.6389@nmaa.org>

Fred, I am not familiar with either the TS50 or the Ten-Tec Omni you have been discussing. However, I am still not certain just what all your frequency measurements have measured, and what they are

for. Is your table of frequencies transmitter output for cw or what? You must have the patience of Job to make all those measurements with constant referencing of the frequency counter to WWV! I certainly would not have the time to do all that.

In my Alinco, I have several VCOs and three crystal oscillators - none of which is temperature stabilized. The rig is dual conversion, 1st i-f at 71.75 MHz, 2nd i-f at 455 kHz: image rejection followed by selectivity. The 'main' vco reference frequency is a 30 MHz rock which is also diddled to provide 45 MHz and 60 MHz references for the various mixing schemes used to derive the two conversion oscillator signals.

The other two crystal oscillators are in the 9 MHz range: one at a nominal 9.420 MHz which is modulated for fm. The other is really 'rubbered' from about 9.874 to 9.876 Mhz (2kHz swing!). These two are mixed to provide the carrier oscillator and bfo for the various mixers. They are also involved with the i-f shift scheme which I do not fully understand!

The steps used by the first mixer (to 71.75 MHz) are 100 kHz steps. The second conversion oscillator tunes a constant 100 kHz range in steps of either 25 Hz (ssb and cw) or 100 Hz (am and fm). Thus the highest frequency resolution for the rig is 25 Hz. I think a 1 Hz resolution would get to be quite tedious. The Yaesu 757 has 25 Hz min steps also, while an older Icom rig I had would tune in 10 Hz steps as Bill White was mentioning.

The frequency accuracy and stability of the Alinco are primarily determined by the three crystal oscillators, two of which are deliberately pulled. The VCOs will do their thing all day long, producing frequencies that the cpu programs them to in response to the dial inputs, assuming the pll is properly designed. If the crystal oscillators are not 'on' then nothing else will be. They can (and do) drift with temperature changes, just like any oscillator, and are the primary cause of frequency inaccuracy.

By the way, you mentioned that the reference oscillator of your counter was held at a constant 75 C. I HOPE you meant 75 F, as 75 C could give one a nasty burn. I don't have a counter, so don't have the problem!

73 de Ted

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: TMOLL@aol.com
Subject: [8756] Re: 38S
Message-ID: <970113183902_1924890173@emout16.mail.aol.com>

Doug, KI6DS
In a message dated 97-01-13 17:01:47 EST, you write:

<< Note that if you have an order number of more than 475, >>

I mailed my order form and money order about two weeks ago and have not yet received an order number acknowledgement in response. This may be perfectly normal - I am just wondering, not complaining! It sounds like you guys have a real winner here. With over 500 going out, I assume that all states are represented (?). How soon will there be a 38S WAS, or possibly 38S DXCC? A list of quantities shipped to each state would be an interesting statistic to publish (as if you didn't have anything else to do! ;-). Anxiously awaiting a pkg with parts in it,
Tom, N0BS

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: JCoote@aol.com
Subject: [8812] Re: 5 Watt RTTY Really Works
Message-ID: <970114151739_1045191413@emout13.mail.aol.com>

In a message dated 97-01-14 09:27:11 EST, John_Kirby@ATK.COM (Kirby, John) writes:

>Subj: 5 Watt RTTY Really Works
>Date: 97-01-14 09:27:11 EST
>From: John_Kirby@ATK.COM (Kirby, John)
>Sender: owner-qrp-l@Lehigh.EDU
>Reply-to: John_Kirby@ATK.COM
>To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
>
>Gang,
>
>Just want to share this with some non-believers...
>
>Last knight, while getting my station ready for the NW QRP DIGITAL
>"TEST" (to be held on 1, 2 Feb 97 re: Bill Todd <bill@techline.com>)
>imagine my excitement when an HK4 (Columbia) came back as my first DX
>RTTY contact! His QRO comment after I advised ...QRP at five watts...
>"wow U must hv one FB antenna!".... my ant is a G5RV with an MFJ tuner
>at about 25 feet...
>

>Then imagine the non-believers when I checked into the 80 meter
>NORTHWEST TRAFFIC NET.... as QNI-NO/QRU-QRP ...my reports ranged from
>"JUST S9" to "10 OVER"....while there reports were running 20 to 40 OVER
>S9....
>
>Needless to say I had FUN last night!!!
>
>Hope to see some of you on the NW QRP DIGITAL "TEST"....
>
>72,3 John
>N3AAZ
>
>ps: the KH4 was a 20 meter contact....
>
>

I just wanted to add to this and say that 3 watts packet, PACTOR and GTOR also work nicely. A few years ago I had several contacts around the states and a few from a ham aboard a ship in the Caribbean on 18 Mhz. Two years ago I tried packet vs PACTOR vs GTOR on 2 MHz. I used 3 watts mobile with KAM and laptop, IC735, AH2 coupler and Mobile mark 1.9 Mhz whip. The fixed station also used 3 watts, similar equipment and B&W AC 1.8-30 antenna.

Great mobile local groundwave contacts on 2 Mhz. My impressions were that GTOR and PACTOR were best for throughput and fighting summer QRN- followed by AMTOR and packet at the bottom. Digital QRP works, and on "weird" bands too!

73, Jay
W6CJ

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [8803] Re: A friendly(!) reminder to Foxes from a Hunter
Message-ID: <199701141837.LAA19546@dancris.com>

At 12:21 PM 1/14/97 -0600, you wrote:

>Hi, QRP-L Foxes,
>
>Thank you Foxes for putting the time into being a target
>for us Hunters. I am having a blast, although it's been
>dry for me the last three weeks due to QRN and propagation.
>
>But, please realize:
>As a hunter, I use the schedule published by Chuck last fall.
>Also, I am a digest reader of QRP-L, so don't get mail until
>the next day.

>
>If your schedule has indeed changed (or your call for that matter)
>compared to what was published, please announce that. Better
>yet, announce earlier than the day before, as I otherwise will miss
>the announcement in the digest. Just a friendly request. I
>realize that some changes are inevitably last minute.
>
>
If you have access to the web, you can always find the updated schedule on
my page at:

<http://www.dancris.com/~ki7mn> look under the FOX button.

I post changes as soon as I see them, so it is 'pretty' current.

73,

Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [8805] Re: A friendly(!) reminder to Foxes from a Hunter
Message-ID: <97Jan14.134315-0500est.65735-12670+40@hooch.CC.Lehigh.EDU>

> Also, I am a digest reader of QRP-L, so don't get mail until
> the next day.

Kevin & Gang,

Digests go out at 1900ET (effective 02 Dec 1996) in an effort to get any
last minute schedule changes to you Just In Time.

73

Jim N3VXI

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [8767] Re: AEA Isoloop
Message-ID: <19970113.231556.4375.9.DWink@juno.com>

On 13 Jan 97 13:22:00 EST Dan Keen <70731.722@CompuServe.COM> writes:

> Another good thing
> about horizontal when the antenna is mounted overhead of the operating
> position, is that there would be a null straight down which means less
RF
> field coming right down on top of you

I have to disagree with you. There is a null in the far field of a loop, but I'm not sure what is going on in the near field. What you've got is a single turn coil excited with rf. If it's over your head, it just thinks you are merely an organic tuning slug, and pumps its magnetic field right on through you. Since no one has much of a clue as to how rf interferes (if it indeed does) with cellular functions (other than by heating), perhaps the magnetic part of the field is even more important than the electric part, and you might be **worse** off with the loop horizontally mounted overhead.

I personally think all this worry about small rf fields is a lot of hooey. If there really is a "signal" there (a link between cancer and rf), it is way, way down in the noise, or we would have tumbled to the problem earlier. Do you always wear a seatbelt? Do you always wear eye protection? Do you always WASH YOUR HANDS after SOLDERING? (Let alone after some of those other things we all do.) Do you exercise and eat 3 to 5 servings of vegetables a day? Do you know what your cholesterol and blood pressure are? Worry about the big stuff, on which we DO have good data. Mount your loop wherever it will give you the most fun.

73 ; D DWink@Juno.com Dan Winkler N7IVR Seattle,
WA----- Whom the gods would destroy, they first make proud -----

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [8761] RE: AOL
Message-ID: <Pine.SUN.3.90.970113200041.6899B-1000000@vortex.sage.dri.edu>

Hi All,

One things jumps up in my mind.....

Don't ever pay with a card! That gives them full access to
cause you a lot of work!

In the future, just send a check for what you use.

Insisting on card numbers is what kept me from ever trying
AOL years ago. I did have an acct with Prodigy for awhile, but

found it to be too slow. (It took a few phone calls to get Prodigy to go with checks, but they did).

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Steve, N2MNN" <n2mnn@openix.com>
Subject: [8758] RE: AOL (LONG!)
Message-ID: <199701140257.VAA06090@pantera.openix.com>

Just a note on my own experience with AOL.

I tried it because the mailer said just choose "GO CANCEL" to cancel the trial subscription. So I tried it for two hours, and quickly decided to cancel the FREE trial. After an hour of going through menus I finally found out that to "GO CANCEL" you had to phone them with a touch tone phone, which I didn't have, or write them a certified letter (an unexpected pain in the butt). So I wrote them a letter and I was very suprised to get a "personal" letter back from the president of AOL (looked like it had been photocopied from a 100th generation copy) asking me to reconsider etc.

A few weeks later a pushy sales person from AOL called me and told me AOL wanted me back, and it was better, etc. I said I was not interested. She finally asked me if it was OK if she sent me an improved disk. I said OK but told her I probably wouldn't use it. When I got the disk I threw it in the garbage.

That salesperson had reactivated my account! About a month later I started getting billed by AOL. I immediately called VISA. They said they would take care of it. They were very good about it. I just didn't pay the AOL bill every month, but had to write a letter every month telling VISA why I didn't want to pay. After a while I realized VISA wasn't actively trying to resolve the problem. After a year I started getting threats from AOL that they were going to ruin my credit. My e-mails to the address they pointed me to were of no avail.... until I finally threatened to COUNTER-SUE AOL. Thats when they finally decided to check their records like I had been asking them to do all along, and they realised that I had never used their service.

I didn't get an apology though.

Advice to the poor soul with the AOL problem (sorry I forgot your call)

If you paid for 2 years for the discount, and you use only a few hours service, then you are only liable for what you used. So do not pay more than one month's fee at the regular rate. Do not pay anything until AOL agrees on this. In the meantime if you write VISA, they will just defer the payment and interest until a settlement is made. They just need a letter. Initially, the reason is not really important to them. Wait a few months. Then call AOL and have them check your usage. When they are convinced that you have no intentions of ever using their system they will probably accept the first months fee, and they will then tell VISA to cancel the original bill. After all, they don't want to look like idiots. I went for almost a year like this and every month Visa would just accept my note.

This is a racket! This has also happened to me from other providers when I was first trying other free trials. Even a local provider tried to bill me for a 6 month fee, 6 months after I had tried a one week free trial, although they admitted their mistake right away.

Just don't ever pay for anything you didn't use.

Steve, N2MNN

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Joseph L. Hartmann, Jr." <joeh@sugar-river.net>
Subject: [8808] Re: AOL comment from Wayne
Message-ID: <Pine.BSD/.3.91.970114150512.7466D-100000@arakis.sugar-river.net>

Wayne has given me permission to post his email to me to the net.
Thanks for the call, Wayne.

On Mon, 13 Jan 1997 Wayneb1103@aol.com wrote:

> You mean not everyone on this list is using an independent,
> local-call , \$20/ month with unlimited time, ISP ?
>
> W H Y N O T ?
>
> Well, for one reason I can go anywhere in the country, log into a local phone
> number and collect my E-mail for the price of a local call. Having spent
> years with local providers I can honestly say that AOL has more to offer for
> the money and the new flat rate is a bargain. They are having some problems
> with overload at the moment but they are adding new and more equipment to

> solve the problem. Also with everyone bailing out I am confident the problem
> will be solved that much sooner.
>
> 73's
>
> Wayne WB7WHI
> Spokane, Wa.

I have not thought of the advantage of the being able to hook
in all over the country. Hmmm. This is a new insight for me.
Would you mind me forwarding your reply to the qrp-l ? I think
it perhaps balances the scale a little bit, though I still
deplore AOL's business practice.

Best Regards,

Joe Hartmann Tel: (603) 863 6073
K2AJV -issued email: joeh@sugar-river.net
1951 home-page: <http://www.sugar-river.net/~joeh>

First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!
----- I grant this to the public domain -----

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Allen Jones <ajones@adsnet.com>
Subject: [8816] Re: AOL comment from Wayne
Message-ID: <1.5.4.32.19970114210158.006b5c7c@adsnet.com>

>> You mean not everyone on this list is using an independent,
>> local-call , \$20/ month with unlimited time, ISP ?
>>
>> W H Y N O T ?
>>
>> Well, for one reason I can go anywhere in the country, log into a local phone
>> number and collect my E-mail for the price of a local call.

There is a somewhat less attractive alternative to AOL's "Get your E-mail
from anywhere" concept and that is a web based E-mail provider such as
Hotmail. You can get your E-mail from anywhere that you can access the WWW.

I know that some public libraries provide access and I'm sure as time goes by there will be others. Hotmail is a free service, sort of a web-based Juno. Set your browser to <http://www.hotmail.com/> I have no commercial interest in Hotmail.

I know this is off topic but thought it might be of interest to some.

72/3 de Allen, W9DZ
Michigan City, IN
ajones@adsnet.com

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Sjolin@aol.com
Subject: [8830] Re: Copying signals with poor sig/noise levels
Message-ID: <970114171401_912468391@emout16.mail.aol.com>

In a message dated 97-01-14 12:43:44 EST, ji3m@maxwell.com (James R. Duffey) writes:

<< I noticed a thread about copying weak signals in Friday's digest. I hope that these comments are timely and not duplicates. Here is what I do;

1. Use headphones, preferably those that cover the ear and eliminate any contribution from room noise. Headphones are worth 3 to 6 dB improvement in signal to noise ratio over a speaker. No kidding.
2. Turn off the AGC. Turn off the AGC. Turn off the AGC. At low signal levels, if it is working at all, it is just raising the noise level. This is why your AM radio gets noisy when you drive under a bridge. The signal fades due to shileading by the bridge, so the AGC tries to recover the lost signal by increasing the gain, and eventually it is working on nothing but noise. As a result you have overpowering noise.
3. Use the narrowest filter you have available. Filters in the IF are best, audio filters also help. A filter between the IF and the product detector will help reduce noise introduced by IF amplifiers. There will be less noise in a narrower bandwidth. The noise power goes as the square root of the bandwidth. A 250 Hz CW filter will have 1/3.2 times the noise of a 2.5 kHz SSB filter. You can hear the difference. The brain does some noise filtering, however, and the gain may be less for trained operators.
3. Reduce the RF gain until the signal is just perceptible. Crank up the AF gain to improve volume level. This too decreases the noise level somewhat relative to the signal level. Do this with the AGC off.

4. Practice copying weak signal levels. It is a learned skill and takes practice.

>>

I will second recommendation #3. Reducing the RF gain is particularly helpful when you have heavy qrn or line noise which will pump the AGC. I usually tune 80/40 meters with the attenuator in regardless of whether there are strong signals nearby.

If you have DSP use it - both the noise reduction and the narrow audio filtering.

Turn off the noise blanker. Unless the signal is absolutely uncopiable without the noise blanker, its insertion in the presence of strong adjacent signals will generate trash that will make the weak signal even more difficult to copy.

Related to #4 above, experiment with your radio. Try various positions of controls under trying conditions. I have found that turning on the notch filter in TS-940s will sometimes eliminate some of the noise and / or peak the desired sig just enough to make an uncopiable station readable.

If using directional antenna, try different headings to see if noise can be reduced more then the desired signal.

Close your eyes. This may be subjective but I have found that closing my eyes helps me to filter out distractions and enables me to focus more on listening.

When all else fails, attack sources of noise in the shack and / or in your home. Turn off the computer in the shack as well as other electronic equipment like fax machines, and answering machines. These generate a lot of trash that you may have gotten used to.

Hope these help. Any other suggestions? Keep the ideas coming.
73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [8832] Re: Copying signals with poor sig/noise levels
Message-ID: <199701142230.PAA04601@dancris.com>

At 05:17 PM 1/14/97 -0500, you wrote:

>When all else fails, attack sources of noise in the shack and / or in your

>home. Turn off the computer in the shack as well as other electronic
>equipment like fax machines, and answering machines. These generate a lot of
>trash that you may have gotten used to.

>

>

In this same vein, I found that my printer, an HPDJ 600C was putting out a
LOT of noise. Just turning it off improved the noise lever considerably.
Turning the computer off didn't help nearly as much.

73,

Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: PDouglas12@aol.com

Subject: [8793] Re: dan's nw80/20

Message-ID: <970114101722_1857880885@emout01.mail.aol.com>

Jeff,

Yes, Dan's PC board for the audio filter is cocked up, as my mother would
say. It is printed in mirror by accident by the PC maker. So you can put
the two-legged parts that are not polarized on the top, normal style.

Bipolar parts must be mounted with positive in the correct orientation.

That means the electrolytics must be put in after checking with the
schematic and comparing traces, just to be sure. And mutilegged parts
(transistors, ICs etc.) must be mounted on the foil side or it won't work.

72,

Preston WJ2V

PS I have one that works, so it can be done!

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: "j.w. thornton" <dub@oklahoma.net>

Subject: [8787] Re: dan's nw8040

Message-ID: <3.0.32.19970114110245.00b09890@okc.oklahoma.net>

At 08:10 AM 1/14/97 -0600, you wrote:

>OK,

>

>just got an email about the Dan's kit. I remember hearing

>something about it.. are you suppose to mount some or all the
>parts on the foil side of the board for the AF filter?
>
>guess that would explain why mine is freaky
>
>72
>Jeff,AC4HF

Hey Jeff: I got an instructional sheet with the kit that said to mount the
ic on the foil side of the board. Balance of the parts would not matter
which way they are mounted, except to note ground side on the electrolytic
cap.

I hope your tip to the net on the board error concerning the output pot
turns out to be my problem with output power also. That would only leave
me battlin the if filter. Am I havin fun YET??? "72"

J. W. (Dub) Thornton WA5YFY
Minco, Ok.

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "j.w. thornton" <dub@oklahoma.net>
Subject: [8788] RE: Email providers (and JUNO)
Message-ID: <3.0.32.19970114110307.00b0b1c0@okc.oklahoma.net>

At 07:04 AM 1/13/97 -0800, you wrote:

>>What's the deal on Juno? My dad lives in a rural area where no provider is
>>available without a long distance charge. Is their "toll free" charged by
>>the minute like AOL?
>
>Juno has *no* charges of their own. Depending on your phone service and
>their nearest number, the phone call itself (rather brief...) may cost money.
>
>/mike

The 800 numbers are still up and running right at this time, however, I
asked Juno about the reported elimination of all 800 numbers. I recd a
note from them that indeed the 800 numbers are being eliminated. They
claim over 400 phone locations across the U.S.A., but sure is gonna leave a
lot of the outlying towns out of action.

"72"

>

J. W. (Dub) Thornton WA5YFY
Minco, Ok.

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [8838] Re: Error in 38S Manual
Message-ID: <19970114.182743.7703.1.WB8YGG@juno.com>

Option #3

Take the scope to Work.

Call in the vendor with the most expensive scope to evaluate at work.
Call in a few colleagues, tell them you are working on a secret project!
Test rig, tell him, it doesn't do what you want, then send him away.

If Vendor asks what you want it to do, tell him, that the HF signal on the Scope isn't supposed to be there, but on scopes with low input impedance, the circuit oscillates, and generates it.

P.S. JUST 1 ERROR in manual?

That's pretty darn good!

73rds. Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Jim_Cadorett@3mail.3com.com
Subject: [8770] Re: G3YCC 5 WATT PA
Message-ID: <8525641F.0043ACD2.00@hqoutbound.ops.3com.com>

Has anyone seen G3YCC's power amplifier on his home page?

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>

Subject: [8822] Re: G3YCC 5 WATT PA
Message-ID: <853266512.518875.0@gqrpclub.demon.co.uk>

Direct url is
<http://www.demon.co.uk/mospa.htm>
I can see it OK!
---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [8829] Re: GeoClock
Message-ID: <199701142210.PAA02785@dancris.com>

Here is some more information on the GeoClock application.

>Return-Path: <70461.2340@CompuServe.COM>
>Date: 14 Jan 97 16:52:24 EST
>From: Joe R Ahlgren <70461.2340@CompuServe.COM>
>To: Bob Hightower <ki7mn@dancris.com>
>Subject: Re: GeoClock
>
>Check out the keyword HAM in the GeoClock online help for a complete
description
>of the HAM package.
>-----
>Thanks for your interest in GeoClock. You can get the current
>shareware versions of the program from the GeoClock BBS
>(703-241-7980), the IBMAPP forum on CompuServe, or our web site:
><http://www.clark.net/pub/bblake/geoclock>
>
>The current version of GeoClock is 7.3. With registration you get the
>latest versions of the programs, 44 maps, local time displayed next to
>the city names, and immediate map display. GeoClock comes in both DOS
>and Windows versions, and both are included with registration. The
>windows version works well with Win3.1, WFW, Win95, WinNT, and OS/2,
>and includes Screen Saver and Wallpaper modes.
>
>Registration is \$35 including shipping to North America (add \$5 for air
>mail shipping outside North America). Update from a prior registered
>version is \$15 (include your registration number).
>
>There are four optional map packages available that provide

>more detailed maps:
>NorthAmerica gives separate maps for every US state and Canadian province
>Europe gives a separate map for every European country (and the countries
> of the former USSR)
>Asia/Pacific gives a separate maps for very country in Asia, the Pacific,
> and the Middle East
>SouthAmerica/Africa gives a separate map for every country in South
> America and Africa
>
>The supplemental map sets are \$20 for 1, \$30 for 2, \$35 for 3, or \$40
> for all four.
>
>There is also a spinning globe program available (\$15) which provides a
>very smoothly rotating globe as seen from space, including the sunlight
>pattern, and it revolves around the screen showing the changes with the
>day and season.
>
>There is a HAM radio package available (\$30) which provides a great
>circle projection map centered on your location. When you key in a
>HAM call sign prefix, it draws the bearing lines, computes the
>distances and bearing, and displays other data about the remote
>location including local time there. (If you order this option, be
>sure to include your call sign and QTH).
>
>There is an 800x600x16 resolution map set available for \$10.
>
>Payment can be by check, VISA, MasterCard, or AmEx by mail to:
>
>GeoClock
>2218 N Tuckahoe St
>Arlington VA 22205
>USA
>
>or by VISA, MasterCard, or AmEx via CompuServe message (70461,2340), FAX
>(703-241-5809), BBS (703-241-7980) or voice (703-241-2661).
>
>
>
>
73,
Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: Kevin Muenzler WB5RUE <wb5rue@amsat.org>
Subject: [8798] RE: Grey Line
Message-ID: <01IE7B0PT594BYRINR@ARWEN.UTHSCSA.EDU>

On Tuesday, January 14, 1997 10:45 AM, Brad Mugleston[SMTP:bmug@gwl.com] wrote:

>Grey Line People,

>

>I was wondering what kind of GL propagation I would be able to get next
>week from Hawaii. Does anyone have a GL program that would tell me where
>the line is in the AM & PM from OAHU?

>

>Also does anyone know of a good GL program (share/free ware). I can
>sometimes get web access to grab one.

>

>Thanks

>

>Brad, KB0ROL

>

>

>

I have a program called GEOCLOCK that looks something like
the mechanical clocks that show where it is daylight and
dark. It adjusts for the seasons. It is shareware and
I'd be happy to send it to you. It requires at least
EGA and a 286/287 combination. It works fine with a
pentium and SVGA. It is a DOS program. It is about
92K as a zip file. I can uuencode it and sent it to
you.

Let me know.

Kevin, WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [8802] Re: Grey Line
Message-ID: <199701141834.LAA19414@dancris.com>

At 09:45 AM 1/14/97 -0700, you wrote:

>Grey Line People,

>

>I was wondering what kind of GL propagation I would be able to get next
>week from Hawaii. Does anyone have a GL program that would tell me where
>the line is in the AM & PM from OAHU?

>
>Also does anyone know of a good GL program (share/free ware). I can
>sometimes get web access to grab one.
>
>
You can download GeoClock for Windows or DOS from
<<http://www.clark.net/pub/bblake/geoclock/>>.

Haven't tried the program yet, though.

73,

Bob KI7MN Chandler, AZ Grid DM43BI Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [8779] Re: IL Preliminary FSFD report
Message-ID: <199701141457.IAA12844@admin.inetport.com>

Well Bill;

I tried all day on all freqs, but only heard you briefly
on 20 meters, but could not contact you...

Nary a peep on 40 or 30.....

Could hear 8s, 2s, 1s, 3s, 4s, ve6, and more, so there
was some propogation to somewhere.....

Some of us were trying.....

Larry

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
ex: KN80SG K80SG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)

From owner-qrp-l@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Rick Sealey <rsealey@InfoAve.Net>
Subject: [8794] Re: Laird - Test
Message-ID: <1.5.4.32.19970114174800.009fb4fc@mail.infoave.net>

At 12:46 AM 1/14/97 -0800, you wrote:

>Test don't read

>

>

>

Oops! Sorry, Laird, too late, I read it.

Rick

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: "Joseph L. Hartmann, Jr." <joe@sugar-river.net>

Subject: [8818] Re: Laird - Test

Message-ID: <Pine.BSD/.3.91.970114164407.7466M-100000@arakis.sugar-river.net>

On Tue, 14 Jan 1997, Rick Sealey wrote:

> At 12:46 AM 1/14/97 -0800, you wrote:

> >Test don't read

> >

> >

> >

>

> Oops! Sorry, Laird, too late, I read it.

>

> Rick

Or possibly: damm my eyes!

Best Regards,

Joe Hartmann Tel: (603) 863 6073

K2AJV -issued email: joe@sugar-river.net

1951 home-page: <http://www.sugar-river.net/~joe>

First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!

----- I grant this to the public domain -----

>

>

>

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [8777] Re: Pic of W03B Station
Message-ID: <M1233141.001.zc770.1.970114035442Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

I have read and heard (and demonstrated) that every ham needs two stations--one that looks good and one that works good :-).
72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>
Subject: [8771] RE: QRP+ RF gain control
Message-ID: <186B9F1B0B@dental3.ab.umd.edu>

Gang -

Thanks to those who replied about the rf gain setup. I was able to find a concentric rf/af pot and have it installed. Find that it works OK but I don't really use it that much. The DSP does everything with out use the gain control to try and eliminate conflicting stations. Thanks again - for those who need a control I will post in the next week where to obtain it.

72 & 73
John N3REY
Always QRP!

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [8776] Re:QRP+ RF Gain Control
Message-ID: <M1233142.002.zc771.1.970114035442Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Grover, K7TP:

Bruce Franklin, the designer of the QRP+, couldn't find a decent source of a dual concentric shaft pot. I imagine he has better resources as a manufacturer than we do, except in our scroungings at flea markets. That's about the only place I see that type of pot anymore. I had to resort to a separate pot for my RF gain control.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [8780] Re: Tuner tests

>From: Bob Kellogg <ae4ic@nr.infi.net>
>I used the geometric resistance box as described by Frank Witt, AI1H,
>in his April, May, 1995 QST articles. So I'm using pure resistance,
>not complex resistance and reactance to create the SWR.

Hi Bob(s), as you probably know, if one has three $1/8$ WL pieces of transmission line, one can obtain four test impedances for the price of one resistor. One impedance is capacitive and one is inductive. One is $R/SWR^2 + j0$.

There is a thread about tuner efficiency on r.r.a.antenna right now. Kevin, W9CF, has done some interesting calculations. Most C-L-C T-match tuners have about 250pf max for the output cap which should be tuned as close to maximum capacitance/minimum reactance as possible. Kevin assumed the output cap fully meshed and calculated that the antenna tuner would have it's maximum efficiency occur when it is seeing 2500 ohms. This has some implications.

Consider that if a Z0-match is achieved using 450 ohm ladder-line and a 1:1 balun is used at the tuner, the tuner will see 450 ohms and be more efficient than if it is seeing 50 ohms. Using 4:1, 6:1, and 9:1 baluns may be costing us some efficiency.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997
Subject: UNSUBSCRIBE

UNSUBSCRIBE

~~~~~ TANTUM QUANTUM ~~~~~

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997  
From: Bob Liesenfeld <wb0poq@visi.com>  
Subject: [8754] Re: Using a gimmick to tune a frequency counter in a GM30  
Message-ID: <32DAEA91.7ADE60CE@visi.com>

bachmann@ari.net wrote:

>

> Hi gang,

>

> Does anyone have experience using a gimmick to tune something up? I am  
> trying to use about 3 inches of twisted #24 magnet wire with heat shrink on it  
> to get between 10 and 15 pf (the exact value is what tunes the counter up  
> properly). It looks like it will work, but I was wondering whether a gimmick  
> is a stable capacitor and if there are pitfalls. It seems like a simple way to  
> get a small, non-standard capacitance value but I can't find any references to  
> it in electronics books. The major drawback is that it only adjust one  
> way...if you cut it too short, you have to start over!

>

I have had good luck with this type of cap. Seems to be  
stable etc. I think you will find that 10-15pF is a bit high.  
2-5pF is closer to what I find.

72

--

Bob Liesenfeld  
wb0poq@visi.com

From owner-qrp-1@Lehigh.EDU Tue Jan 14 18:02:33 1997

From: NilsBull@aol.com

Subject: [8823] Re: Your comments about email providers

Message-ID: <970114163412\_1243685610@emout20.mail.aol.com>

Sir,

You are an obvious candidate for commitment to a full-service psychological health provider. Please fill out the accompanying form and return it to receive your first treatment. Please verify that your family physician, dentist, counselor, financial analyst/advisor, psychiatrist/psychologist, pharmacist and bank account are among those chosen by our firm to provide service. You can choose to go to service providers outside of those chosen by your firm, but you will have to pay them directly.

Please remit the rest of your free spending cash for the rest of your life with your application.

Best wishes and good health to you.

Dr. Norbert Jakobsen-Hidalgo-Chakravanutha-Mustafa-Kingman-Toast IIIIV  
Financial Services Director & Applications Referral Chairperson  
His Holy Majesty's Home for Small Rodents without Teeth  
217-1/3 Plonchatatra Holy Toledo Lane, Suite 9A/137656.1/A-2-sub t

Squid that Ate Your Porridge, Smith-and-Wesson West Coathook  
Mongoose Flats, Idaho-and-a-breakfast 3G5 D7Y  
Outter Spiral Arm  
Silly Party

---- "I'm not bizarre enough." (Mr. Greaser) -----